

DAEWOO

OWNER'S MANUAL

DDQ-9H1SC



BEFORE USING TELEVISION RECEIVER,
READ AND OBSERVE ALL OF THIS OWNER'S MANUAL.

Part No. 11906570B

IMPORTANT SAFEGUARDS

HOW TO GET THE MOST ENJOYMENT FROM YOUR NEW COLOR TV SET

Your new Color TV incorporates a host of features designed to give you excellent performance. In addition, this model utilizes a highly sophisticated Control Microprocessor that can give you unprecedented convenience and control in the areas of Picture Adjustment, Channel Tuning, On-Screen Information.

We therefore strongly urge that you read all of these instructions before using your TV for the first time.

It is especially important that you read and follow the instructions under the heading: "CHANNEL MEMORY" on page 16.

■ SAFETY INSTRUCTION

• ANTENNA

Unless your TV is connected to a Cable TV system or to a centralized antenna system, a good outdoor color TV antenna is recommended for the best performance. However, if you are located in a strong signal area that is free from interference and ghost conditions (multipath), an indoor antenna may be insufficient. The two pole antenna packed with this set is for your convenience only. It is not capable of providing you with the sharp detail and rich color that this television was designed to display.

• LOCATION

Select an area where sunlight or bright indoor illumination will not fall directly on the picture screen.

Also, be sure that the location selected allows a free flow of air to and from the perforated back cover of the set.

• NOTES

- Never remove the back cover of the set. This can expose you to very high voltage and other hazards.
- If the set does not operate properly, unplug it and call your dealer or service shop.

• VIEWING

This color receiver may be viewed from any desired distance. Most viewers prefer a distance of three to six feet or more depending on-screen size for maximum eye comfort.

Caution

To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be inserted to prevent blade exposure.

Caution

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could avoid the user's authority to operate the equipment.

GRAPHICAL SYMBOLS EXPLANATION



This lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (Servicing) instructions in the literature accompanying the appliance.

■ FEATURES

- FS(Full-Square) picture tube.
- 181-channel cable-compatible frequency synthesizer tuner.
- Full on-screen display of all functions.
- Video/Audio input/output terminals.
- With various picture functions.(STANDARD, DYNAMIC, MILD, CUSTOM) and sound (STANDARD, MUSIC, MOVIE, SPEECH, CUSTOM) functions.
- TIME (Clock, Sleep Timer, On/Off timer)
- Automatic power shut-off.
- Full Remote Control.
- Built-in CCD (Closed Caption Decoder)

IMPORTANT FOR LASER PRODUCTS

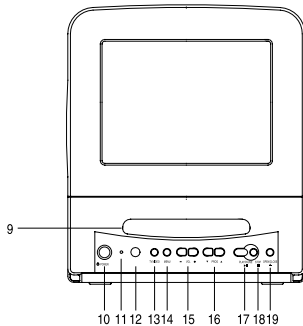
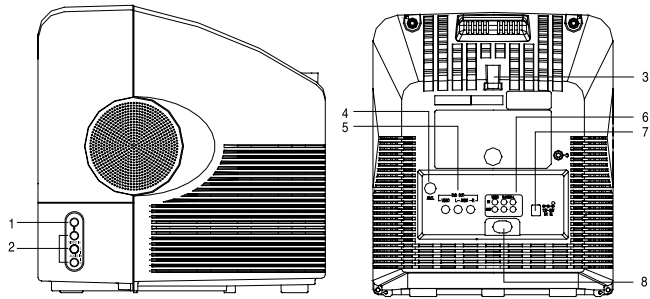
- **LASER** This Digital Video Disc Player employs a Laser System. To ensure proper use of this product please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure.
Use of control adjustments or the performance of procedures other than those specified may result in hazardous radiation when open and interlocks defeated.
DO NOT STARE INTO THE BEAM.
- **DANGER** Visible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
- **CAUTION** Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

CLASS 1
LASER PRODUCT

CONTENTS

Important Safeguards	2
Contents	4
Location of Controls	5
Connecting External Equipment	6
Antenna Connection	8
Cable TV(CATV) Connecton	9
Video/Audio Connections	10
Remote Control Use	11
TV FUNCTION & OPERATION	12
On Screen Language Selection	14
Basic of "MENU" Operation Method	15
Channel Memory	16
Picture Adjustment	20
Sound Adjustment	22
Time Setting	28
Function	33
Other Useful Function	34
DVD Function & Operation	35
Introduction	36
Disc Requirement/Copyright Information	37
Remote Control Unit(DVD)	38
Basic Playback	40
Searching for a Specific Screen/Song During Playback	41
Setting a Custom View	43
Changing the Audio/Subtitle Language	44
Change the Size and of the Screen	45
Selecting a Menu and 3D	46
Using the Setup Menu	47
Setting the Language	48
Setting the Video	50
Setting the Speakers	51
Setting the Audio	52
Custom Setting	53
Setting Parental Rating Level and Password	54
Operating with an MP3 Disc	55
Use of MP3 Disc	57
Use of JPEG Disc	58
Trouble Shooting Guide	60
Specification	62
Interference Causes	63

LOCATION OF CONTROLS

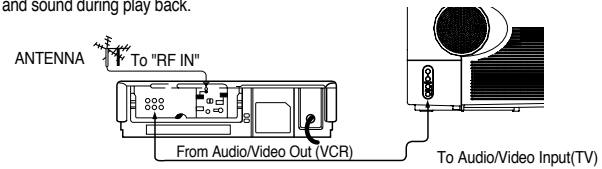


- | | |
|--------------------------------|---|
| 1. Earphone Jack | 11. Stand by LED |
| 2. Video/Audio Input Jack | 12. Remote Control Sensor |
| 3. Antenna Holder | 13. TV/Video key |
| 4. Antenna Socket | 14. Menu key |
| 5. DVD Video/Audio Output Jack | 15. Volume Down(-)/Up(+) key |
| 6. Video/Audio In/Output Jack | 16. Channel Down(▼)/Up(▲) key
(Sub Power On) |
| 7. DC Power Socket (12-24VDC) | 17. DVD Play/Pause key |
| 8. AC Power Cord Socket | 18. DVD Stop key |
| 9. DVD Disc Tray | 19. DVD Disc Tray Open/Close key |

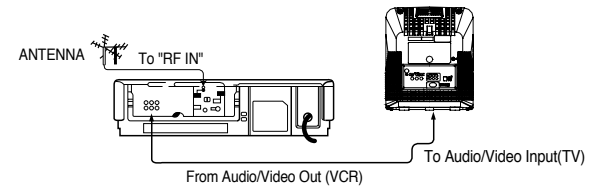
CONNECTING EXTERNAL EQUIPMENT

AUDIO/VIDEO IN JACK

- If your receiver has AUDIO/VIDEO IN JACK, connect this JACK to VCR and TV receiver.
- Select AV by pressing the AV mode selection key on the remote control.
- Push PLAY key of your VCR. The advantage of this connection is a superior quality of picture and sound during play back.



OR



CONNECTING EXTERNAL EQUIPMENT

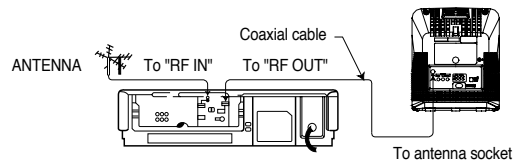
EARPHONES

- The earphones must have an impedance of between 8 and 32 ohms and have a 3.5mm stereo jack plug.
- Plug the earphone jack into the earphone socket on the right hand side of the TV.
 - Adjust the volume of sound using VOL₋,+ buttons.

NOTE : If earphone is inserted there will be no sound output at the loud speaker.

VCR OPERATION BY USING THE RF OUT

- To connect a home VCR to the receiver, connect the coaxial cable from the RF OUT socket of the VCR to the antenna socket of the TV SET, and connect the antenna lead-in cable to the RF IN socket of the recorder.



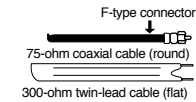
ANTENNA CONNECTION

Antenna

- The antenna requirements for a good color television reception are more important than those for black & white television reception. For this reason, a good quality of outdoor antenna is strongly recommended.

The following is a brief explanation of the type of connections that are provided with the various antenna systems:

- A 75 ohm system is generally a round cable with F-type connector that can easily be attached to a terminal without tools.
- A 300 ohm system is a flat "twin-lead" cable that can be attached to a 75 ohm terminal through a 300-75 ohm ADAPTOR. (Refer to 300-75 ohm ADAPTOR as supplied)



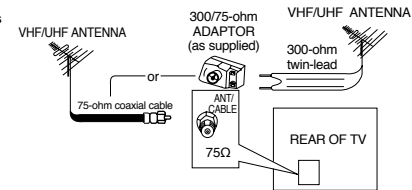
OUTDOOR ANTENNA CONNECTION

- Use one of the following two diagrams if you connect an outdoor antenna.

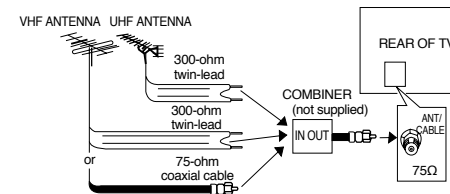
- A : Using a VHF/UHF combination outdoor antenna.
- B : Using separate VHF and/or UHF outdoor antenna.

- Connect an outdoor antenna cable lead-in to the COAXIAL CABLE CONNECTOR on the rear of the TV set.

A. Combination VHF/UHF Antennas



B. Separated VHF/UHF Antennas



CABLE TV(CATV) CONNECTION

- A 75 ohm coaxial cable connector is built into the set for easy hookup.
When connecting the 75 ohm coaxial cable to the set, screw the 75 ohm cable to the COAXIAL CABLE CONNECTOR.
- Some cable TV companies offer "premium pay channels". Since the signals of these premium pay channels are scrambled, a cable TV converter/descrambler is generally provided to the subscriber by the cable TV company. This converter/descrambler is necessary for normal viewing of the scrambled channels. (Place your TV on channel 3 or 4, typically one of these channels is used. If this is unknown, consult your cable TV company. One possible method of utilizing the converter/descrambler provided by your cable TV company is explained below.

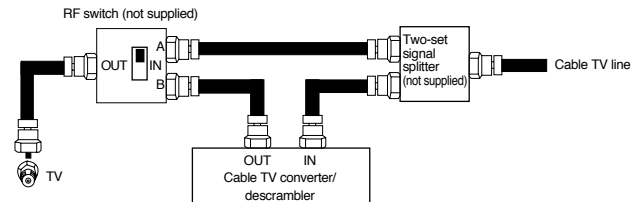
NOTE : RF switch equipped with position A/B(not provided) is required.

"A" position on the RF switch (not supplied)

: You can view all unscrambled channels using the TV's channel keys.

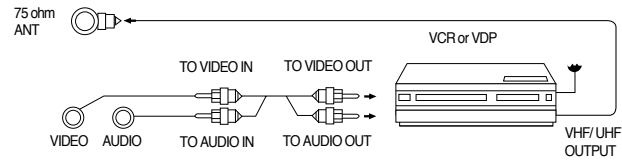
"B" position on the RF switch (not supplied)

: You can view the scrambled channels via the converter/descrambler using the converter's channel keys.



VIDEO/AUDIO CONNECTIONS

- Prior to making any connections to your TV set, be sure to turn the POWER off.
- For a more detailed understanding of each connection, it is recommended that you read the instruction manual for each connected component.
- If you use video or audio equipment placed near the Monitor/Receiver, picture and/or sound may become distorted due to interference between these components. In such a case, separate each piece of equipment at a sufficient distance.
- The following shows examples for connecting external equipment.
- Do not connect another audio source to the same speaker to which the TV set is connected, otherwise damage may result to the amplifier of the TV set or to that of the other audio source.



• AUDIO/VIDEO INPUT

1. Connect the VIDEO OUT jack from the VCR to the VIDEO IN jack on the TV.
2. Connect the AUDIO OUT jack from the VCR to the AUDIO IN jack on the TV.
3. Turn TV on and press VIDEO button on the Remote control to select VIDEO mode.
4. Turn the VCR on and Playback tape.(consult your VCR system's owner's manual.)

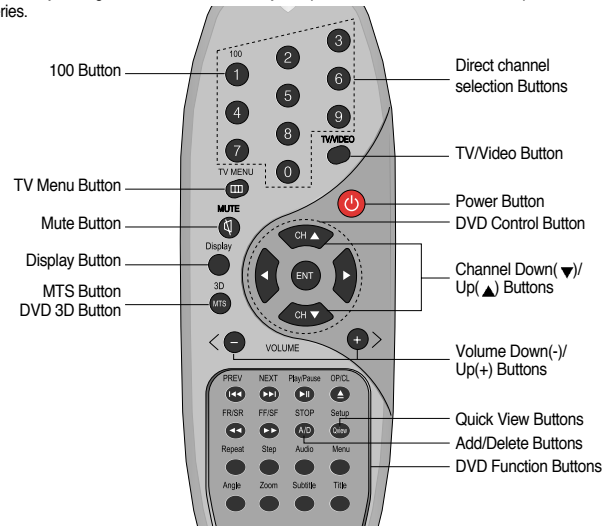
REMOTE CONTROL USE

Correct

- Point at the Remote Control Sensor of the TV set.
- The maximum operable distance is approximately 6m from the Remote Control Sensor, and not more than 30° to either side of center.
- The operation of the Remote Control is most effective when there is nothing between it and the Remote Control Sensor.
- The duration of the batteries is approximately 6 months to 1 year.
Replace the batteries when the remote control operation becomes unstable.

Battery Installation/Notes

- Press the indentation and lift up the cover in the direction of the arrow.
- Correctly install the batteries, observing (+/-) polarities as shown
- Do not use a combination of old and new batteries or batteries of different types.
- If batteries become exhausted, remove and replace them soon.
- When battery leakage occurs, clean the battery compartment with a soft cloth and replace the batteries.



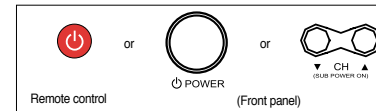
NOTE: To select channels (to jump directly to a desired channel)100 through 125, press the "1" button for 2 second and then the last two digits within a few seconds after pressing the "1" button.

TV FUNCTION & OPERATION

- Connect either Antenna or Cable TV according to "ANTENNA CONNECTION" instruction on page 8.
- Insert batteries into the Remote Control unit according to "REMOTE CONTROL USE" instruction on page 11.
- Connect the power cord to AC outlet.
 - Voltage is between 120 Volts.
 - Frequency is compatible (50/60Hz)

POWER ON

- 1) Press the MAIN POWER switch on the control panel of the set to turn on and stand-by RED LED will illuminate.
- 2) The TV set is now in stand-by mode, to turn it on press CH ▲/▼ key located front panel of the set or press power or CH ▲/▼ key on the remote control hand unit. The NO LED will illuminate.



POWER OFF

- 1) Press the POWER key on the remote control hand unit. The RED LED will illuminate.
- 2) If you want to turn off for a long time, Press the MAIN POWER switch on the control panel.
- 3) When there is no broadcasting signal, the TV set goes off automatically after 15 minutes. In this case, the TV set goes to stand-by mode, there for The RED LED will illuminate. This function is the same as in the AV mode.

NOTE: Power button of front panel is not active when you use the DC battery cord.

CHANNEL SELECTION

Use CHANNEL (▲/▼) buttons on the Remote Control (or CHANNEL (▲/▼) buttons on the front panel). Pressing the (▲) button to advances for the higher channels, and press the (▼) button to go down for the lower channels.

NOTE: Certain channels have been preset at the factory. It may be necessary to add or erase some channels in your areas. See "AUTO PROGRAM" on page 17 for presetting channels.

- Channels can be selected directly by using 10-Digit Keypad on the Remote Control.
- For example, if you select channel 5, press "0" first, then press "5". (Be sure to press "0" first, before pressing "5" for channel 5.)
- For channel 120, press the 100 button first, then press "2", "0". Also refer to the CABLE CHANNEL CONVERSION CHART below.

※ CABLE TV CHANNEL CONVERSION CHART

In addition to the normal TV reception from an antenna for VHF (Channels 2-13) and UHF (Channel 14-69), your TV set is equipped to receive non-scrambled cable TV channels. SubMid band (A-8, A-5-A-1), Mid band (A-I) Super band (J-W) Hyper band (W+1 - W+28) and Ultra band (W+29 - W+84) can be received by using the channel selections as shown in the following chart.

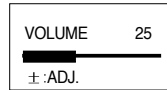
•	A-8	A-5	A-4	A-3	A-2	A-1	A	B	C	D	E	F	G	H	I	J	K	L	M	N
••	01	95	96	97	98	99	14	15	16	17	18	19	20	21	22	23	24	25	26	27
•	O	P	Q	R	S	T	U	V	W	W+1	W+2	W+3	W+4	W+5	W+6	W+7	W+8	W+9	W+10	
••	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	
•	W+11	W+12	W+13	W+14	W+15	W+16	W+17	W+18	W+19	W+20	W+21	W+22	W+23	W+24	W+25	W+26	W+27	W+28	W+29	
••	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	
•	W+30	W+31	W+32	W+33	W+34	W+35	W+36	W+37	W+38	W+39	W+40	W+41	W+42	W+43	W+44	W+45	W+46	W+47	W+48	
••	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	
•	W+49	W+50	W+51	W+52	W+53	W+54	W+55	W+56	W+57	W+58	W+59	W+60	W+61	W+62	W+63	W+64	W+65	W+66	W+67	
••	85	86	87	88	89	90	91	92	93	94	100	101	102	103	104	105	106	107	108	
•	W+68	W+69	W+70	W+71	W+72	W+73	W+74	W+75	W+76	W+77	W+78	W+79	W+80	W+81	W+82	W+83	W+84			
••	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125			

- Regular cable channel designations.
- Your TV set's corresponding on-screen CABLE channel numbers.

Press **VOLUME (+/-)** buttons on either the Remote Control or (+/-) front panel to adjust volume to your desired listening level.

Pressing the (+) button will increase sound volume, the (-) button will decrease sound volume.

The volume level is indicated on the screen by reference number (0-100) and by bar scale as shown.



- NOTES**
- The volume level can be muted instantly by pressing MUTE button on the Remote Control. See "MUTE Button" on page 34.
 - Your TV set can receive the normal TV channel(2-13) including the CABLE TV channel

NOTE TO CATV SYSTEM INSTALLER

This reminder is provided to call the CATV system installer's attention to article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

ON SCREEN LANGUAGE SELECTION

MENU
PICTURE
SOUND
TIME
SETUP
FUNCTION
LANGUAGE ENGLISH
◆:MOVE %:ADJ. @:EXIT

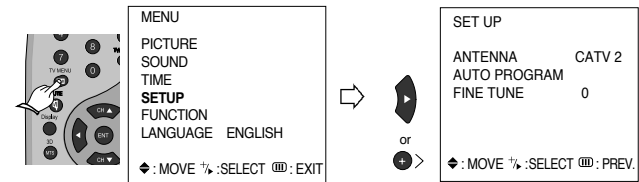
- 1) Press the TV MENU button.
- 2) Press the CHANNEL UP/DOWN (▲/▼) button to reach LANGUAGE mode.
- 3) Press the ► or VOLUME+ button to select the desired language.
- 4) It will appear on the screen like below;

→ ENGLISH → ESPAÑOL → PORTUGUÉS → FRANÇAIS

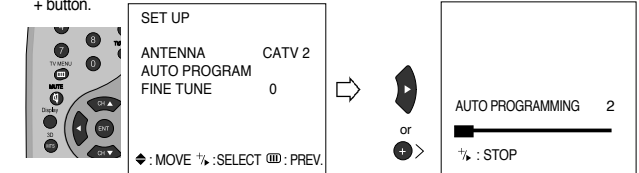
- 5) Press the TV MENU button to exit.

■ BASIC OPERATION

1. Press POWER button to turn the TV on.
2. Press TV MENU button and move the cursor to "SET UP" option and press ► or VOLUME+ button, then the "SET UP" menu is displayed.



3. Press VOLUME (◀▶) button to Select ANTENNA option.(TV or CATV)
4. Press CH ▲/▼ buttons to place cursor on the "AUTO PROGRAM" option and press VOL+ button.



5. Press CH ▲/▼ buttons to Select the channel you want.
6. Press VOL+ or VOL- buttons to adjust volume to your desired listening level.

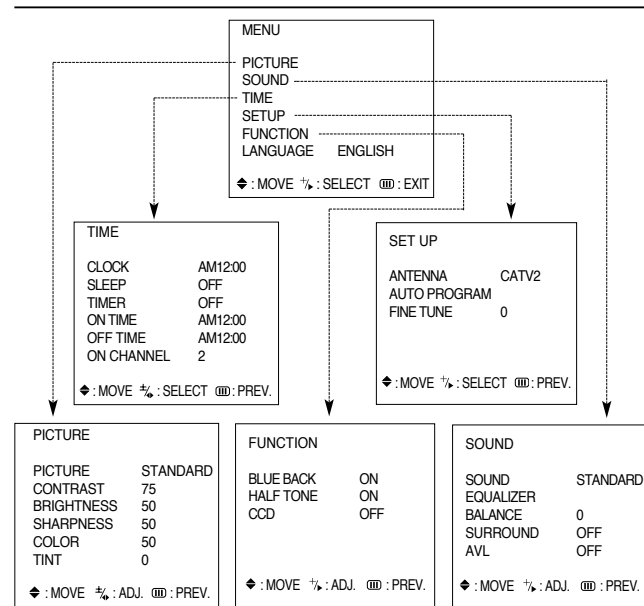
BASIS OF "MENU" OPERATION METHOD

You can execute every operation by pressing CH ▲/▼ buttons and VOL +/- or ◀▶ buttons alternately.

If you learn one method, You can easily operate another function by viewing picture.



1. Pressing these buttons alternately makes every operation easy.
2. MOVE → Press CH ▲/▼ buttons to place cursor.
3. PICTURE CHANGE → Press VOL +/- or ◀▶ buttons to change picture by inputting selected function.

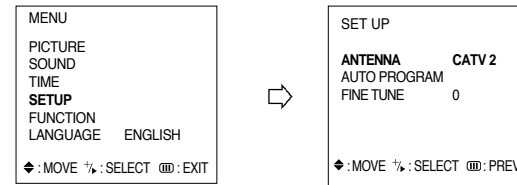


CHANNEL MEMORY(SET UP)

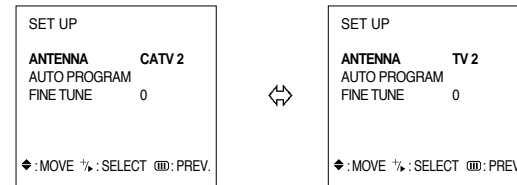
ANTENNA SELECTION

In this mode, you can change the broadcast mode between "TV" (for regular VHF/UHF channels) and "CATV" (for cable channels).

1. Press TV MENU button and move the cursor to "SET UP" option and press VOL + or ▶ button then the "SET UP" menu is displayed.



2. Press CH ▲/▼ buttons to place the cursor on the "ANTENNA" option and press VOL + or ▶ button. You can select "TV"(on-air) or "CATV"(cable TV) broadcast mode.



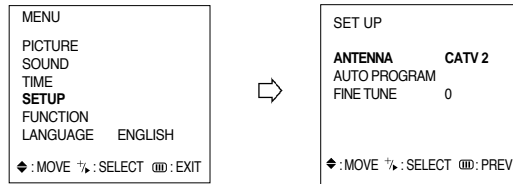
3. After you have finished selecting "ANTENNA" mode, press TV MENU button repeatedly until the menu disappears.

CHANNEL MEMORY(SET UP)

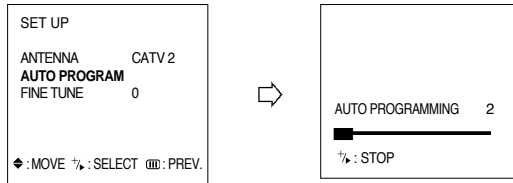
AUTO PROGRAM

This function allows the channels to be memorized automatically to match the TV broadcasts and cable channels in your area.

1. Press TV MENU button and move the cursor to "SET UP" option and press VOL + or ► button, then the "SET UP" menu is displayed.



2. Press CH ▲/ ▼ buttons to place cursor on the "AUTO PROGRAM" option and press VOL + or ► button.



When tuned to a channel in which TV program is broadcasted, this channel is memorized and the color changes from magenta to green.

After every channels were memorized, "SET UP" menu is displayed.

3. When you have finished "AUTO PROGRAMMING", press TV MENU button repeatedly until the menus disappear.

NOTES

- If the broadcast signal is weak, the channel will not be memorized.
- In this case, perform the MANUAL MEMORY procedure. (Refer to the next page)
- If you wish to stop this procedure during the operation, Press VOL + or ► button.

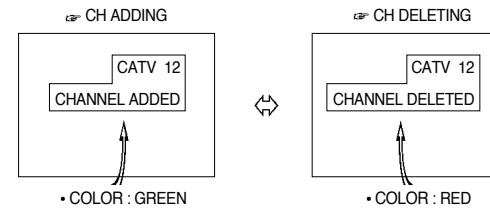
CHANNEL MEMORY(SET UP)

MANUAL MEMORY(channel add/delete)

1. TO ADD A CHANNEL

If you want to add to the memory a channel the TV did not store during AUTO PROGRAM, follow these steps.

- ① Press the 10-Digit Keypad button to select a channel you want to view.
- ② Press "A/D" button on the Remote Control.
The channel is added to memory and the color of the channel number changes from red to green.



2. TO DELETE CHANNEL

You can exclude the channels of your choice from the memorized channel. Follow these steps to delete the channel in the TV's memory.

- ① Press CH ▲/ ▼ buttons or Press the 10-Digit keypad button to select a channel you want to delete.
- ② Press "A/D" button on the Remote Control.
The channel is removed from the memory, and the color of the channel number changes from green to red.

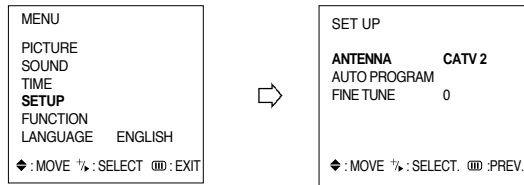
CHANNEL MEMORY(SET UP)

FINE TUNE

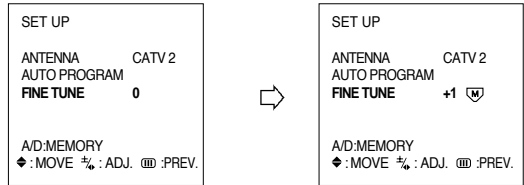
If the reception is clear, you do not have to fine-tune the channel, as this is done automatically during auto program and manual memory.

If however the signal is weak or distorted, you may have to fine-tune the channel manually.

1. Press CH ▲/▼ buttons or Press the 10-Digit keypad button to adjust a channel you want.
2. Press TV MENU button and move the cursor to "SET UP" option and press VOL + or ► button, then the "SET UP" menu is displayed.



3. Press CH ▲/▼ buttons to place the cursor on the "FINE TUNE" option.
4. Use VOL +/- or ◀▶ buttons until you obtain a sharp and clear picture and good sound quality.



5. If you wish to memorize adjusted FINE TUNE state, press "A/D" button, and then the memorie icon is displayed.
If you wish to initialize it, press that button again, and then the icon disappear.

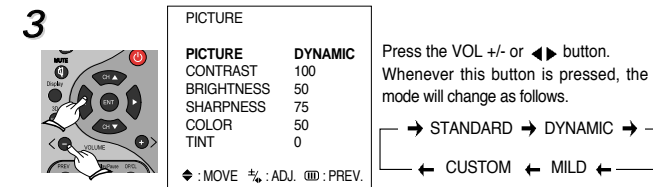
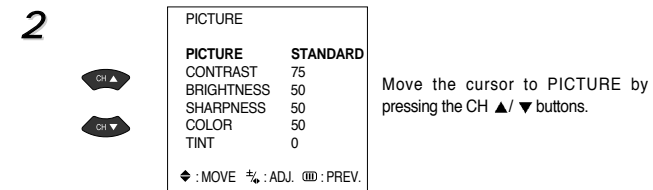
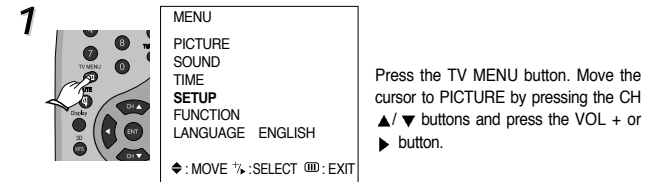
NOTES

- The memorized channel does not operate AFT(automatic frequency tuning)mode.
- The FINE-TUNE is operated only selected channel.
- After the "AUTO PROGRAM", the memorized channel operate AFT(automatic frequency tuning)mode automatically.

PICTURE ADJUSTMENT 1

USING ON-SCREEN MENU

You can sequentially select any one of the four possible preferred analogue picture presets.



MODE	PICTURE
STANDARD	• Select this mode to view the factory-presetting standard picture.
DYNAMIC	• Select this mode to view a powerful and clear picture. - watch in the brighter(daylight) environments.
MILD	• Select this mode to emphasize mildness - When it is dark around to lessen the fatigue of eyes.
CUSTOM	• Select this mode to view the adjusted picture you want.


PICTURE ADJUSTMENT 2

You can sequentially select and adjust one of five picture levels.

- Contrast, Brightness, Color, Sharpness or Tint

e.g. : Contrast Adjustment.

1




MENU
 PICTURE
 SOUND
 TIME
SETUP
 FUNCTION
 LANGUAGE ENGLISH

◆ : MOVE ↵ : SELECT ◻ : EXIT

Press the TV MENU button. Move the cursor to PICTURE by pressing the CH ▲/▼ buttons and press the VOL + or ► button.

2



PICTURE

PICTURE	STANDARD
CONTRAST	75
BRIGHTNESS	50
SHARPNESS	50
COLOR	50
TINT	0


◆ : MOVE ↵ : ADJ. ◻ : PREV.

Move the cursor to CONTRAST by pressing the CH ▲/▼ buttons and press the VOL +/- or ◀▶ buttons.

3




CONTRAST 75



↵ : ADJ. ◻ : PREV.

Adjust "CONTRAST" by VOL +/- or ◀▶ buttons.

4




When you have finished contrast adjustment, press TV MENU repeatedly until the menu disappears.

SOUND ADJUSTMENT

USING ON-SCREEN MENU

There is a choice of five audio settings by using the on-screen menu, the five settings can be viewed in the sequence illustrated.

1




MENU
 PICTURE
SOUND
 TIME
 SETUP
 FUNCTION
 LANGUAGE ENGLISH

◆ : MOVE ↵ : SELECT ◻ : EXIT

Press the TV MENU button. Move the cursor to SOUND by pressing the CH ▲/▼ buttons and press the VOL + or ► button.

2




SOUND

SOUND	STANDARD
EQUALIZER	
BALANCE	0
SURROUND	OFF
AVL	OFF

◆ : MOVE ↵ : ADJ. ◻ : PREV.

Move the cursor to SOUND by pressing the CH ▲/▼ buttons.

3



SOUND

SOUND	MUSIC
EQUALIZER	
BALANCE	0
SURROUND	OFF
AVL	OFF

◆ : MOVE ↵ : ADJ. ◻ : PREV.

Press the VOL + or ► button. Whenever this button is pressed, the mode will change as follows.

→ STANDARD → MUSIC → MOVIE → SPEECH → CUSTOM

STANDARD	• Select this mode to use the factory presetting.
MUSIC	• Select this mode when listening to music
MOVIE	• Select this mode when viewing a movie.
SPEECH	• Select this mode to hear voices clearly.
CUSTOM	• Select this mode to hear the adjusted sound you want. See EQUALIZER page.

SOUND ADJUSTMENT

EQUALIZER

You can adjust five frequency ranges to your preference.

1



MENU	
PICTURE	
SOUND	
TIME	
SETUP	
FUNCTION	
LANGUAGE	ENGLISH
◆ : MOVE % : SELECT ◻ : EXIT	

Press the TV MENU button. Move the cursor to SOUND by pressing the CH ▲ / ▼ buttons and press the VOL + or ► button.

2



SOUND	
SOUND	STANDARD
EQUALIZER	
BALANCE	0
SURROUND	OFF
AVL	OFF
◆ : MOVE % : ADJ. ◻ : PREV.	

Move the cursor to EQUALIZER by pressing the CH ▲ / ▼ buttons and press the VOL + or ► button.

3



EQUALIZER				
50	50	50	50	50
█	█	█	█	█
120	500	1.5K	5K	10K
◆ : ADJ. % : MOVE ◻ : PREV.				

Adjust each frequency band, using CH ▲ / ▼ buttons.

SOUND ADJUSTMENT

BALANCE

SOUND MENU

1



MENU	
PICTURE	
SOUND	
TIME	
SETUP	
FUNCTION	
LANGUAGE	ENGLISH
◆ : MOVE % : SELECT ◻ : EXIT	

Press the TV MENU button. Move the cursor to SOUND by pressing the CH ▲ / ▼ buttons and press the VOL + or ► button.

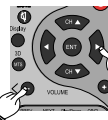
2



SOUND	
SOUND	STANDARD
EQUALIZER	
BALANCE	0
SURROUND	OFF
AVL	OFF
◆ : MOVE % : ADJ. ◻ : PREV.	

Move the cursor to BALANCE by pressing the CH ▲ / ▼ buttons.

3



BALANCE	0
█	
% : ADJ. ◻ : PREV.	

Press the VOL +/- or ◀▶ buttons. The Sound BALANCE is adjusted.

SOUND ADJUSTMENT

SURROUND SOUND

SOUND MENU

1



MENU
PICTURE
SOUND
TIME
SETUP
FUNCTION
LANGUAGE ENGLISH
◀ : MOVE % : SELECT ⏻ : EXIT

Press the TV MENU button. Move the cursor to SOUND by pressing the CH ▲ / ▼ buttons and press the VOL + or ▶ button.

2



SOUND
SOUND STANDARD
EQUALIZER
BALANCE 0
SURROUND OFF
AVL OFF
◀ : MOVE % : ADJ. ⏻ : PREV.

Move the cursor to SURROUND by pressing the CH ▲ / ▼ buttons.

3

Press the VOL + or ▶ buttons.

- Whenever this button is pressed, the mode will change as follows.

OFF ↔ ON

SOUND ADJUSTMENT

AVL

SOUND MENU

1



MENU
PICTURE
SOUND
TIME
SETUP
FUNCTION
LANGUAGE ENGLISH
◀ : MOVE % : SELECT ⏻ : EXIT

Press the TV MENU button. Move the cursor to SOUND by pressing the CH ▲ / ▼ buttons and press the VOL + or ▶ button.

2



SOUND
SOUND STANDARD
EQUALIZER
BALANCE 0
SURROUND OFF
AVL OFF
◀ : MOVE % : ADJ. ⏻ : PREV.

Move the cursor to AVL by pressing the CH ▲ / ▼ buttons.

3

Press the VOL + or ▶ buttons.

- Whenever this button is pressed, the mode will change as follows.

OFF ↔ ON

• AVL(Automatic Volume Limitter)

Different sound sources fairly do not have the same volume level. This results in annoying volume changes. AVL solves the problem by equalizing the volume levels.

SOUND ADJUSTMENT

MTS

USING MTS BUTTON :

Your TV set incorporates an MTS (Multichannel Television Sound) decoder to receive stereo broadcasts and any accompanying SAP (Second Audio Program) such as another language sound track).

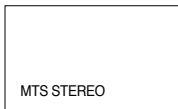
1. Press the MTS button

Depending on the audio signal type of the currently receiving broadcast, on-screen selection appears as follows:

Receiving signal	On-screen selections
Stereo and SAP	→ STEREO → SAP → MONO →
Stereo or SAP	STEREO ↔ MONO or SAP ↔ MONO
Mono	MONO only

The "STEREO", "SAP" text indicate that MTS mode is being broadcast.

When the power is switched on or channel is changed, the "STEREO", "SAP" text are automatically displayed, depending on the current broadcast.



NOTES

- If the received signal is weak, noise may be heard.
In such a case, press MTS button to set to the MONO mode for better sound reception.
- If the received SAP signal is weak, the SAP will not be heard.
- Even if both STEREO and SAP broadcasts are received, both broadcasts cannot be heard at the same time.
- Transmission of CABLE TV signals may differ from off-air TV broadcasts.

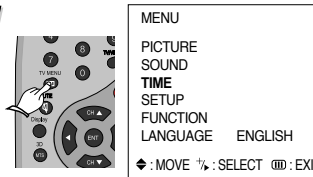
TIME SETTING

CLOCK

You can set the television's clock so that the current time will be displayed when you press the TV MENU button.

- You must set the current time before you can set the automatic On/Off timer.

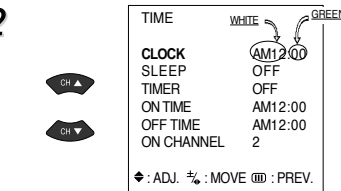
1



Press TV MENU button and move the cursor to TIME by CH ▲/ ▼ buttons.

- Press VOL + or ► button and press it again.

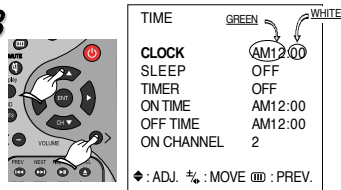
2



Adjust "HOUR" by CH ▲/ ▼ buttons.

- Whenever these buttons are pressed, the hour increases or decreases by 1.

3



Press VOL + or ► button and adjust "MINUTE" by CH ▲/ ▼ buttons.

- Whenever these buttons are pressed, the minute increases or decreases by 1.

4



Press the TV MENU button to return to the main menu.

TIME SETTING

SLEEP TIMER

You can select a time period from 15 through 90 minutes so that the television automatically switches to power-off mode.

1



MENU	
PICTURE	
SOUND	
TIME	
SETUP	
FUNCTION	
LANGUAGE	ENGLISH
◆ : MOVE % : SELECT ◻ : EXIT	

Press TV MENU button the cursor to TIME by pressing the CH ▲/▼ button and press the VOL + or ► button.

2



TIME	
CLOCK	AM12:00
SLEEP	OFF
TIMER	OFF
ON TIME	AM12:00
OFF TIME	AM12:00
ON CHANNEL	2
◆ : ADJ. % : MOVE ◻ : PREV.	

• "TIME" is displayed on the screen.
Move the cursor to SLEEP by CH ▲/▼ buttons and press the VOL + or ► button to set SLEEP time. Whenever VOL + or ► button is pressed, the time is changed.

→ OFF → 15 → 30 → 45 → 60 → 90 →

NOTE : To cancel the sleep timer function, in this mode, press VOL + or ► button repeatedly until the word "OFF" is displayed.

TIME SETTING

ON/OFF TIMER

The ON/OFF time lets you use alarm and automatic off function.

1



MENU	
PICTURE	
SOUND	
TIME	
SETUP	
FUNCTION	
LANGUAGE	ENGLISH
◆ : MOVE % : SELECT ◻ : EXIT	

Press TV MENU button.

Move the cursor to TIME by pressing the CH ▲/▼ buttons and press the VOL + or ► button.

- "TIME" is displayed on the screen.

2



TIME	
CLOCK	AM12:00
SLEEP	OFF
TIMER	ON
ON TIME	AM12:00
OFF TIME	AM12:00
ON CHANNEL	2
◆ : ADJ. % : MOVE ◻ : PREV.	

Move the cursor to Timer by CH ▲/▼ buttons and press VOL + or ► button to set "TIME R ON"

NOTES

- If you have not yet set the television's clock, the message "CLOCK STOPPED" is displayed.
- If this happens, refer to "CLOCK" on the previous page.

TIME SETTING

4



TIME	
CLOCK	AM12:00
SLEEP	OFF
TIMER	ON
ON TIME	AM07:30
OFF TIME	AM12:00
ON CHANNEL	2

◆ : ADJ. ⌘ : MOVE Ⓚ : PREV.

Move the cursor to "ON TIME" by CH ▲/▼ buttons and press the VOL +/- or ◀▶ buttons to set the time.

5



TIME	
CLOCK	AM12:00
SLEEP	OFF
TIMER	ON
ON TIME	AM07:30
OFF TIME	PM10:15
ON CHANNEL	2

◆ : ADJ. ⌘ : MOVE Ⓚ : PREV.

Move the cursor to "OFF TIME" by CH ▲/▼ buttons and press the VOL +/- or ◀▶ buttons to set the time.

6



Press "TV MENU" to return to the main menu.

※ AUTOMATIC POWER OFF MODE

If the set is not switched off when the TV station stops broadcasting, it will automatically go to power-off mode after about 15 minutes.

- NOTES**
- If you set "ON TIME" and "OFF TIME" with the same time, the "ON/OFF TIME" will be clear and please set again the "ON/OFF TIME".
 - If the power is disconnected (in case of a power failure) and reapplied later, the clock operation will stop.

TIME SETTING

ON TIME CHANNEL NUMBER

- You can select the channel on which the TV turns on as programmed by ON-TIMER.
- This function will not work if the TIMER is set to OFF or the current time has not been set.



TIME	
CLOCK	AM12:00
SLEEP	OFF
TIMER	ON
ON TIME	AM07:30
OFF TIME	PM10:15
ON CHANNEL	2

◆ : ADJ. ⌘ : MOVE Ⓚ : PREV.

- 1) Move cursor to ON CHANNEL and press VOL + or ▶ button the color of the channel number changes to white.
- 2) Set channel number you want use CH ▲/▼ buttons.

FUNCTION

1. Press the TV MENU button. Move the cursor to a FUNCTION by pressing the CH ▲/▼ buttons.

Adjust it by pressing the VOL + or ▶ button.



or



MENU	
PICTURE	
SOUND	
TIME	
SETUP	
FUNCTION	
LANGUAGE	ENGLISH

◆ : MOVE ⌘ : SELECT Ⓚ : EXIT

MENU	
PICTURE	
SOUND	
TIME	
SETUP	
FUNCTION	
LANGUAGE	ENGLISH

◆ : MOVE ⌘ : SELECT Ⓚ : EXIT

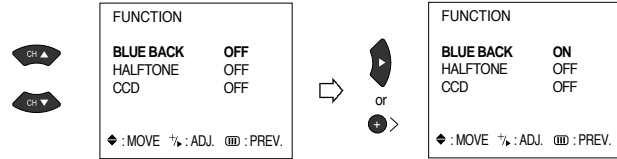
FUNCTION	
BLUE BACK	OFF
HALFTONE	OFF
CCD	OFF

◆ : MOVE ⌘ : ADJ. Ⓚ : PREV.

FUNCTION

BLUE BACK

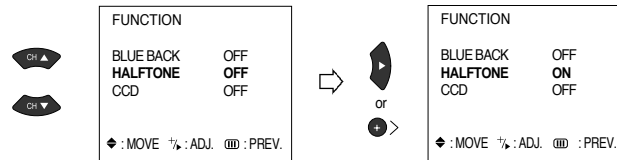
- When no picture signal is inputed, or the signal is weak, the screen reverts to a blue back color.



On this feature disable to continue watching very weak signals.

HALFTONE

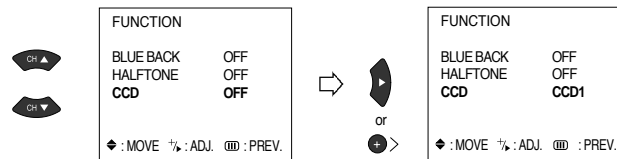
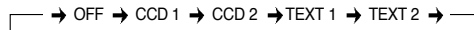
You can select Halftone mode in the on-screen.



CCD

You can select closed caption mode.

- In this mode, press VOL + or ► button. Whenever this button is pressed.



OTHER USEFUL FUNCTIONS

✦ QUICK VIEW Button :

Press QUICK VIEW button on the Remote Control. The previously viewed channel will appear on the screen. Press QUICK VIEW again to switch back to the original channel. Repeatedly pressing QUICK VIEW switches between these two channel.

✦ DISPLAY BUTTON :

Press DISPLAY button on the Remote Control. The channel number of the program you are now viewing, the current time and sleep time setting are displayed.

✦ MUTE BUTTON :

Press MUTE button on the Remote Control. The volume of the TV program being viewed will be reduced to zero and "MUTE" will appear on the screen.

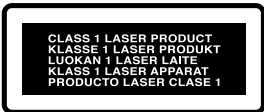
NOTE : Changing the audio volume also restores the sound.

DVD FUNCTION & OPERATION

CAUTION This Digital Video Disc Player employs a Laser System. To ensure proper use of this product, please read this owner's manual carefully and retain for future reference, should the unit require maintenance, contact an authorised service location-see service procedure. Use of controls, adjustments or the performance of procedures other than those specified may result herein hazardous radiation exposure. To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open the enclosure. **DO NOT STARE INTO BEAM.**

FCC NOTICE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



FCC WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INDUSTRY CANADA REQUIREMENT

This class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

DTS "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

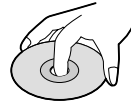
Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

INTRODUCTION

Notes on Discs This section shows you how to handle, clean, and store discs.

On Handling Discs

- Do not touch the playback side of the disc.



- Do not attach paper or tape to discs.

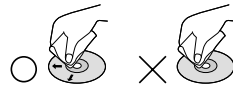


On Storing Discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

On Cleaning discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outward with a soft cloth. Always keep the disc clean.
- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvents such as thinner, benzene, commercially available cleaners or anti-static spray for vinyl LPs. They may damage the disc.





About This Owner's Manual

- This owner's manual explains the basic instructions of this DVD player.
- Some DVD video discs have functions that may not be explained in this owner's manual. Therefore, some instructions may differ from this owner's manual, and there may be extra instructions. In this case, follow the instructions displayed on the TV screen or package.
- "⊗" may appear on the TV screen during operation. This icon means the function explained in this owner's manual is not available on that specific DVD video disc.

Disc Requirements/Copyright Information

Playable Discs

This DVD player can play back the following discs.

	Disc mark	Contents	Disc size	Maximum playback time
DVD video discs		Audio+Video (moving pictures)	12 cm	Approx. 4 hours (single sided disc)
				Approx. 8 hours (double sided disc)
			8 cm	Approx. 80 minutes (single sided disc)
				Approx. 160 minutes (double sided disc)
Audio CDs		Audio	12 cm	74 minutes
			8 cm	20 minutes

You cannot playback discs other than those listed above. (CD-ROM, CD-G, photo CD, and CD-i discs can not be played on this DVD player.)

Region Management Information

Region Management Information: This DVD Player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this DVD player, this DVD player cannot play that disc.

The Region number of this DVD player is.



Notes on Unauthorized Discs

You may not be able to play back some DVD video discs on this player if they were purchased from outside your geographic area or made for business purposes. When you try to play back an unauthorized disc, "Check Regional Code" appears on the TV screen.

Notes on Copyright

It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, and rent copyrighted material without permission. DVD video discs are copy protected, and any recordings made from these discs will be distorted.

Macrovision

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.

Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Remote Control Unit (DVD)

1. OPEN/CLOSE BUTTON

Use this button to open/close the disc tray.

Pressing this button will while on TV/Video mode will automatically change it to DVD mode.

2. PLAY/PAUSE BUTTON

Use this button to play or pause the disc. Pressing this button during play, cause the disc pause if in pause mode it function as the play.

Pressing this button will while on TV/Video mode will automatically change it to DVD mode.

3. STOP BUTTON

Use this button to stop the current playing mode.

4. SETUP BUTTON

Use this button to setup the various operation information of this unit to customize DVD performance.

5. FF/SF BUTTON

Use this button to play the disc fast forward or slow forward. During pause or step state, the button work as slow forward.

6. FR/SR BUTTON

Use this button to play the disc fast reverse or slow reverse. During pause or step state, the button work as slow reverse.

7. NEXT BUTTON

Use this button to move to the next chapter (DVD).

8. PREV BUTTON

Use this button to move to the previous chapter (DVD).

9. MENU BUTTON

Use this button to display the contents menu of the loaded DVD disc. This function is disc dependent. A DVD disc may not contain a contents menu.

10. STEP BUTTON

Use this button to play one frame at a time.

11. SUBTITLE BUTTON

Use this button to change the subtitle language to a different language or from the one selected at the initial settings. When the loaded disc support multiple subtitle.

Remote Control Unit (DVD)

12. ANGLE BUTTON

If a disc includes multi angle information, the user can watch a screen in multi angles. The function is limited to a DVD disc supporting multi angle information.

13. ZOOM BUTTON

Use this button to enlarge DVD or DVD screen image up to 4 times. You may also move the image using CH ▲/▼, ◀/▶ buttons.

14. TITLE BUTTON

Use this button to display the title menu of the loaded DVD disc. This function is disc dependent. A DVD disc may not contain a contents menu.

15. 3D BUTTON

Use this button for stereophonic sound system.

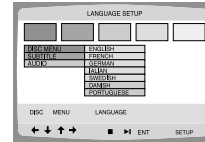
16. AUDIO BUTTON

Use this button to change the audio language to a different language from the one selected at the initial settings, when the loaded disc supports multiple audio language.

17. REPEAT BUTTON

Use this button to set up repeat viewing during play, for repeated playback of disc titles, to repeat the selected segment, or for specifying and repeating playback of a chapters or sound.

Basic Playback



Before operating

- Set the initial settings according to the desired language, audio or the connected TV or audio system. Turn to instructions on initial setting on page 40 for more details.

Playback

- 1 Open the tray by pressing OPEN/CLOSE button.
- 2 Place a disc properly on the tray with the playback side down.
- 3 Close the tray by pressing OPEN/CLOSE button.
 - To STOP PLAYBACK, press STOP button.
 - To temporarily STOP PLAYBACK, press the PLAY/PAUSE button.
 - To resume PLAYBACK, press the PLAY/PAUSE button once again.

NOTE

- The DVD player automatically memorizes the location where the stop button was pressed during playback and resumes from that point when the playback button is pressed again.
- Playback is stopped after about 5 minutes have passed in the pause state. After a minute from the moment playback is stopped, the screen oscillates between dark and light shades to protect the TV hardware. And after about 10 minutes, the power is automatically turned off.

Searching for a specific screen/song during playback

You can use one of the functions listed below in order to jump to a specific chapter or track during playback.

Scan at fast forward or fast reverse

1 Press ◀◀ or ▶▶ button on the remote controller.

- For DVD playback, pressing the button successively executes the function in the following order : 2X → 4X → 8X → 16X → 32X → 64X → normal playback.
- For CD playback, the order is FAST 2X → 4X → 8X → normal
- To return to normal playback speed, press the PLAY/PAUSE button.

To skip a chapter or a track

1 Press ◀◀◀ or ▶▶▶ button on the remote controller.

- When the ▶▶▶ button is pressed, playback skips over to the next chapter or track during DVD or CD playback.
- When the ◀◀◀ button pressed, playback skips over to the beginning of the current chapter for DVD playback and the previous chapter when it is pressed again.

NOTE

- What is a chapter?
A chapter is one of the several sections to which a movie is divided into.
- What is a title?
A title refers to a single whole movie.

Searching for a specific screen/song during playback

To view page by page

1 Press STEP button on the remote controller

- The picture advances one frame at a time each time the button is pressed.
- To return to normal PLAYBACK, press the PLAY/PAUSE button.
- This function is not activated for CD PLAYBACK.

To playback in slow motion

1 Press STEP button on the remote controller

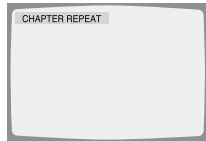
2 Press ▶▶ or ◀◀ button.

- For DVD playback, each successive press of the button executes the function in the following order : 1/2X → 1/4X → 1/8X.
- To return to normal PLAY, press the PLAY/PAUSE button.
This function is not activated for CD PLAYBACK.

NOTE

- No sound is heard during fast/slow/frame-by-frame PLAYBACK. However, sound is heard during FAST CD PLAYBACK.

Setting a custom view



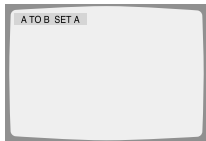
Repeat playback

This function repeats the playback of a chapter, title or track.

1 Press REPEAT button on the remote controller.

- Pressing the button successively for a DVD executes the function in the following order: CHAPTER REPEAT → TITLE REPEAT → REPEAT OFF → A TO B SET A → A TO B SET B → A TO B CANCELLED.

Chapter repeat : Repeats playback of a single chapter.
Title repeat : Repeats playback of a single title.
Repeat off : Exits from repeat mode.



Repeat playback of a specified section

1 Pressing REPEAT button selects the beginning(A) of the repeated playback section and pressing it again selects the end(B).

e.g. CHAPTER REPEAT → TITLE REPEAT → REPEAT OFF → SET-A → FF → A TO B

- Only the specified section is repeatedly played back.
- Pressing the button again returns to normal playback.

NOTE

- Repeated playback is executed for a title or chapter in the case of DVD playback and disc or track for CD playback.
- This function may not work for some discs.
- Press Repeat A → B button before the next title or track begins. Otherwise, the setting is cancelled.
- This function does not work in a title which contains multiple camera angles.

Changing the audio/subtitle language

Select the language or discs that contain more than one language by following the instructions below.

Changing the audio language

1 Press AUDIO button on the remote controller

- For a DVD, select one of the languages by successively pressing the AUDIO button.
- For a CD, select either STEREO, LEFT VOCAL, RIGHT VOCAL MONO LEFT or MONO RIGHT by successively pressing the button.

Changing the subtitle language

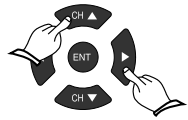
1 Press SUBTITLE button on the remote controller.

- Select one of the languages by successively pressing the SUBTITLE button.
- This function is not activated for a CD.

NOTE

- The AUDIO, SUBTITLE functions may not work for some discs.

Changing the size and angle of the screen



Changing the size of the screen

1 Press ZOOM button

- Pressing the button successively executes the function in the following order : ZOOMX1.5 → X2 → X3 → OFF
- This function is activated for only DVD/VCD playback.
- It is possible to change the location of zoom with CH▲/▼, ◀/▶ button at zoom on mode.

Viewing from another angle

1 Press ANGLE button

- Pressing the button successively changes the viewing angle which is displayed on the screen.
- This function is activated for only discs having scenes recorded at different angles.

Selecting a menu and 3D

Selecting a menu listed on the disc

1 Press MENU button.

- The menu contained in the disc will appear on the screen. The menu appears differently with different discs.
- This function does not work for a CDs.

To create stereophonic sound effects

1 Press 3D button.

- This function lets you enjoy surround effects at stereo mode.

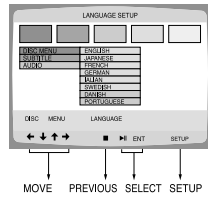
To view the title menu

1 Press TITLE button

- The title menu contained in the disc will appear. The title menu appears differently with different discs.
- This function will not work with a CDs.

Using the Setup Menu

Pressing SETUP button will show a screen with which various menus can be set. Press SETUP button at stop mode.



LANGUAGE

- DISC MENU : For selecting a language listed in a disc.
- SUBTITLE : For selecting subtitle language.
- AUDIO : For selecting audio speaker language.

VIDEO

- TV DISPLAY : For selecting TV screen ratio.
- CAPTION : For selecting caption function.
- SCR SAVER : For selecting the screen protection function.

SPEAKER

- DOWN MIX : For selecting effects of the front speakers.

AUDIO

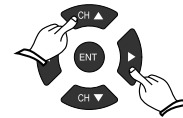
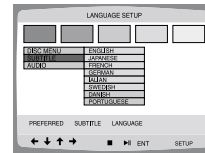
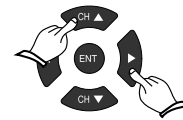
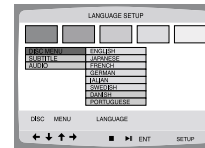
- DUAL MONO : For selecting STEREO MONO sound.
- DYNAMIC : For increasing output of the audio only.

CUSTOM

- LOGO : For selecting initial screen.
- PARENTAL : For selecting allowed viewing/ listening level.
- PASSWORD : For setting a password.
- DEFAULTS : For returning all the items to their default values(the factory settings)

To exit SETUP MENU, press SETUP button again.

Setting the Language



Selecting a menu language contained in the disc

- 1 Press SETUP button on the remote controller.
- 2 Go to "LANGUAGE" using the CH▲/▼, ◀/▶ buttons.
- 3 Go to "DISC MENU" using the CH▲/▼, ◀/▶ buttons.
- 4 Choose the desired language using the CH▲/▼ buttons and select it by pressing ENT.

NOTE

- This function only work for DISC STOP mode.

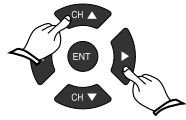
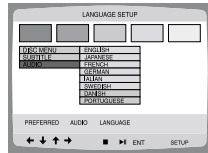
Selecting subtitle language

- 1 Press SETUP button on the remote controller.
- 2 Go to "LANGUAGE" using the CH▲/▼, ◀/▶ buttons.
- 3 Go to "SUBTITLE" using the CH▲/▼, ◀/▶ buttons.
- 4 Choose the desired language using the CH▲/▼, ◀/▶ buttons and select it by pressing ENT button.

NOTE

- This function only works if there is no Disc inside.

Setting the Language



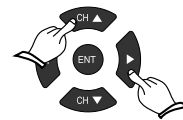
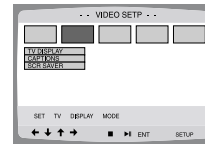
Selecting audio language

- 1 Press SETUP button on the remote controller.
- 2 Go to "LANGUAGE" using the CH▲/▼, ◀/▶ buttons.
- 3 Go to "AUDIO" using the CH▲/▼, ◀/▶ buttons.
- 4 Choose the desired language using the CH▲/▼, ◀/▶ buttons and select it by pressing ENT button.

NOTE

- If the selected language is not listed in the disc, the language will not appear on the menu.
- This function only works if there is no Disc inside.

Setting the VIDEO



- 1 Press SETUP button on the remote controller.
- 2 Go to VIDEO using the CH▲/▼, ◀/▶ buttons.
- 3 Go to the item using the CH▲/▼, ◀/▶ buttons.
- 4 Choose the desired setting using the CH▲/▼, ◀/▶ buttons and select it by pressing ENT button.

1 TV DISPLAY

- 4:3 PS : Only the center portion of a 16:9 ratio screen is visible.
- 4:3 LB : The complete 16:9 ratio screen is visible with black strips on the top and bottom.
- 16:9 WIDE : For selecting the wide screen TV viewing format.

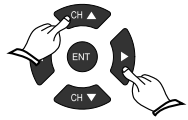
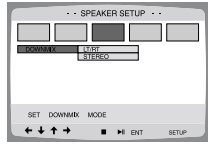
2 CAPTION

- Toggles CAPTION function.
- This function will not work with DISCs that do not have subtitles.

3 SCREEN SAVER

- Toggles the screen protection function on and off.

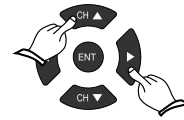
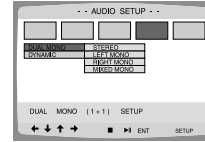
Setting the SPEAKERS



- 1 Press SETUP button on the remote controller.
 - 2 Go to SPEAKER using the CH▲/▼, ◀/▶ buttons.
 - 3 Go to the item using the CH▲/▼ buttons.
 - 4 Choose the desired setting using the CH▲/▼, ◀/▶ buttons and select it by pressing ENT button.
- 1 DOWNMIX**
- LT/RT : For selecting surround sound for the front speakers.
 - STEREO : For selecting output through the front speakers only.

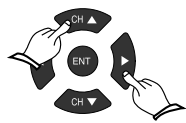
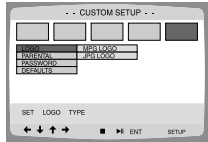
Setting the Audio

Audio related items of the connected audio system can be selected as follows.



- 1 Press SETUP button on the remote controller.
 - 2 Go to AUDIO using the CH▲/▼, ◀/▶ buttons.
 - 3 Go to a desired item using the CH▲/▼ buttons.
 - 4 Choose the desired setting using the CH▲/▼, ◀/▶ buttons and select it by pressing ENT button.
- 1 DUAL MONO**
- STEREO : For stereo sound output.
 - LEFT MONO : For selecting the output of the left channel of the audio track.
 - RIGHT MONO : For selecting the output of the right channel of the audio track.
 - MIXED MONO : For selecting the output of both the left and right channels of the audio track.
- 2 DYNAMIC**
- For increasing the output of the audio only (4/4, 3/4, 2/4, 1/4, OFF)
 - Selecting OFF returns to the default value.

CUSTOM settings



- 1 Press SETUP button on the remote controller.
- 2 Go to "CUSTOM SETUP" using the CH▲/▼, ◀/▶ buttons.
- 3 Go to a desired item using the CH▲/▼ buttons.
- 4 Choose the desired setting using the CH▲/▼, ◀/▶ buttons and select it by pressing ENT button.

1 LOGO

- MPG LOGO : To use the original initial screen.
- JPG LOGO : To use the initial screen downloaded from CD.

2 PARENTAL

- Set a password and select rating level for DVDs unsuitable for children. For more details, turn to setting rating level and password.

3 PASSWORD

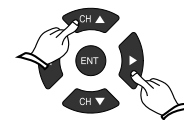
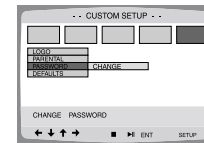
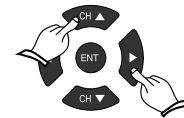
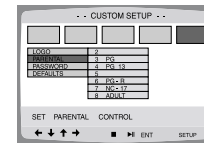
- Turn to setting rating level and password.

4 DEFAULTS

- Return to the factory settings.

Setting rating level and password

This is to prohibit the playing of specified DVDs which are unsuitable for children.
 • Some DVD discs contain a restriction level which enables parents to remove scenes or prevent playback of discs by children. DVD players are equipped with a password designed to prevent children changing the level.

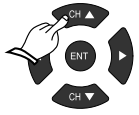
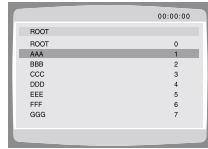


- 1 Press SETUP button on the remote controller.
- 2 Go to "CUSTOM SETUP" using the CH▲/▼, ◀/▶ buttons.
- 3 Go to "PARENTAL" using the CH▲/▼, ◀/▶ buttons.
- 4 Choose a desired level using the CH▲/▼, ◀/▶ buttons and select it by pressing ENT button.
Please enter your password
- 5
 - A message appears when the password is incorrect "The password is incorrect"
 - A high level number means that the movie is more oriented to the adult audience.

Setting your password

- 1 Press SETUP button on the remote controller
- 2 Go to "CUSTOM SETUP" using the CH▲/▼, ◀/▶ buttons.
- 3 Go to "PASSWORD" using the CH▲/▼, ◀/▶ buttons.
- 4 Go to "CHANGE" using the CH▲/▼, ◀/▶ buttons and press ENT button.
- 5 Input your old password using the number buttons. The password is initially set to 0000.
- 6 Input a new password twice using the number buttons.
- 7 Press ENT button.

Operation with an MP3 disc



Playback

- 1 After opening the tray by pressing the OPEN/CLOSE button, place a disc on the tray and close it.
- 2 MP3 files appear on the screen.
- 3 Go to a desired file using the CH▲/▼ buttons and press either ENT or ►|| button to begin playback.

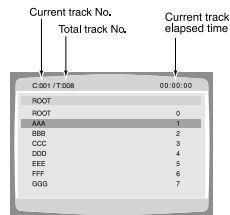
NOTE

What is MP3?

- Short for MPEG Layer 3, an MP3 is a data file type that minimizes the loss of audio quality compressing it into 1/9 of the original size. With the MP3 format, approximately 120 ordinary songs can be stored in a single 650MB CD-R/RW disc.

Confirming the playback status

Displayed on the top of the screen during playback



Operation with an MP3 disc

Repeat playback

- 1 Pressing REPEAT button at playback or stop Mode will go through the settings in the following order:
REPEAT TRACK – FOLDER REPEAT – REPEAT OFF
- REPEAT TRACK : Repeated playback of only the current song
 - FOLDER REPEAT : Repeat playback of all the songs in DISC
 - REPEAT OFF : Turn off repeated playback.

Skipping a Track

- 1 Pressing ►|| button skips the current track to the next.
- 2 Pressing ◀◀ button jumps to the beginning of the current track and pressing it again skips to the previous.

Muting the sound

- 1 Press MUTE button. Pressing the button toggles between MUTE ON and MUTE OFF.
- MUTE : Select for no audio output.
 - MUTE OFF : Select for audio output.

To create 3D surround effects

- 1 Press 3D button.
- Pressing the button will toggle the surround
 - This function lets you enjoy surround effects at stereo mode.

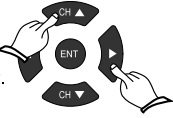
Use of JPEG DISC

Conversion of JPEG

1 JPEG images can be converted during playback with CH▲/▼, ◀/▶ button.

- CH ▲ : button converts Invert – Normal.
- CH ▼ : button converts Mirror – Normal.
- ▶ : button rotates JPEG image to the left.
- ◀ : button rotates JPEG image to the right.

- It does not work at slide show mode.



Zooming in and out of JPEG

1 Each time zoom button is pressed during playback, zoom on zoom off is selected repeatedly. It does not work at slide show mode.

2 "SF" button is pressed at zoom on mode, zoom 25pct → zoom 50pct → zoom 100pct → zoom 150pct → zoom 200pct is selected in turn.

3 "SR" button is pressed at zoom on mode, zoom 200pct → zoom 150pct → zoom 100pct → zoom 50pct → zoom 25pct is selected in turn.

Use of JPEG DISC

Selection of JPEG Display

1 Each time "ANGLE" button is pressed during JPEG image playback, the display mode on screen shows 12 variations as follows:

- mode 1 : It displays from top to bottom in turn.
- mode 2 : It displays from bottom to top in turn.
- mode 3 : It displays from top and bottom to center in turn.
- mode 4 : It displays from center to top and bottom in turn.
- mode 5 : It displays vertical blind.
- mode 6 : It displays from left to right in turn.
- mode 7 : It displays from right to left in turn.
- mode 8 : It displays from left and right to center in turn.
- mode 9 : It displays from center to left and right in turn.
- mode 10 : It displays from outside to inside in turn.
- mode 11 : It displays horizontal blind.
- mode 12 : It displays at random.

Change of initial screen

1 Pressing DISPLAY button after pressing PAUSE button during playback of JPEG images makes the current JPEG image on the screen new initial screen.

To see the new initial screen, select the Logo item as JPEG LOGO in CUSTOM SETUP. Only JPEG file can be used for changing the initial screen.

TROUBLE SHOOTING GUIDE

TV

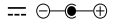
Before requesting service, please refer to the following chart for the symptom and possible solution. For more information, see the corresponding page in this manual.

SYMPTOM	POSSIBLE SOLUTIONS
TV does not operate	<ul style="list-style-type: none"> • Make sure the power cord is plugged in. • Try another AC outlet. • Power is off, check fuse or circuit breaker.
Poor sound or no sound	<ul style="list-style-type: none"> • Station or CATV experiencing problems, turn to another station. • Check sound adjustments (Volume and Mute). • Check for sources of possible interference.
Poor picture or no picture	<ul style="list-style-type: none"> • Station or CATV experiencing problems, turn to another station. • Check antenna or CATV connections, reorient antenna. • Check for sources of possible interference. • Check picture control adjustments.
Poor reception on some channels.	<ul style="list-style-type: none"> • Station or CATV experiencing problems, turn to another station. • Station signal is weak, reorient antenna to receive a strong signal. • Check for sources of possible interference.
Poor color or no color	<ul style="list-style-type: none"> • Station or CATV experiencing problems, turn to another station. • Make sure channels are set into memory. • Check picture control adjustments. • Make sure TV/CATV Mode is in the correct position. • Check antenna or CATV connections, reorient antenna. • Check for sources of possible interference.
Picture wobbles or drifts	<ul style="list-style-type: none"> • Station or CATV experiencing problems, turn to another station. • Make sure channels are set into memory. • CATV company is scrambling signal. • Check antenna connections and reorient antenna.
No CATV reception	<ul style="list-style-type: none"> • Check CATV connections • Make sure TV/CATV is in the correct position. • Station or CATV system problems, try another station.
Horizontal or diagonal bars on screen	<ul style="list-style-type: none"> • Check antenna connections and reorient antenna. • Make sure TV/CATV Mode in the correct position. • Check for sources of possible interference.
No reception above Channel 13	<ul style="list-style-type: none"> • Make sure TV/CATV Mode is in the correct position. • If using antenna, check UHF antenna connections.
No remote operation	<ul style="list-style-type: none"> • Batteries are weak, dead, or inserted improperly. • Remote is out of range, move closer to TV. • Make sure remote is aimed at sensor. • Confirm there are no obstructions between the remote and the TV. • Make sure the power cord is plugged in.
TV shuts off	<ul style="list-style-type: none"> • Power interrupted. • Sleep Timer, On Timer or Off Timer are set; Station has stopped broadcasting.

DVD

SYMPTOM	CAUSE	CORRECTION
No power	• The power cord is disconnected.	• Plug the power cord into the wall outlet securely.
The power is on, but the DVD player does not work.	• No disc is inserted.	• Insert a disc. (Check that the DVD or audio CD indicator in the DVD display is lit.)
The playback picture is poor.	• The disc is dirty.	• Clean the disc.
The file name of MP3 (CD-R) appears with strange letters.	• The file name of MP3 recognize only the Alphabet (A-Z, a-z), numbers (0-9) and a special symbol on keyboard (~, !, @, #, \$) and 10 letters can be displayed in maximum.	
The DVD player does not start playback.	• No disc is inserted.	• Insert a disc. (Check that the DVD, or audio CD indicator in the DVD display is lit.)
	• An unplayable disc is inserted.	• Insert a playable disc. (Check the disc type, color system and regional code.)
	• The disc is placed upside down.	• Place the disc with the playback side down.
	• The disc is not placed within the guide.	• Place the disc on the disc tray correctly inside the guide.
	• The disc is dirty.	• Clean the disc.
	• A menu is on the TV screen.	• Press the SETUP button to turn off the menu screen.
	• The Rating level is set.	• Cancel the rating function or change the rating level.

SPECIFICATION

TV	■ Power Source	AC 120V~, 60Hz, 60W
		DC 12-24V, 54W 
	■ TV Broadcasting	NTSC
	■ Receiving Channels	VHF 2-13CH, UHF 14-69CH
		CATV 1, 14 - 125CH (T/T 181CH)
	■ Channel indicator	On Screen Display
	■ Sound Output	1.5W+1.5W (Stereo)
	■ Speakers	3W(8ohm) x 2 (Stereo)
■ Dimension (W H D)	273mm (W) x 318mm (H) x 318mm (D)	
■ Weight	8.4Kg	
DVD	■ Video Output	1.0Vp-p, 75 Ω unbalanced
	■ Audio Output	2.0Vrms (at 1KHz)

INTERFERENCE CAUSES

The most up-to-date technology to eliminate an interference is incorporated in your television receiver. Local conditions, however, can create the disturbances which visibly affect your picture. Proper installation, good antenna connection and following advice of your dealer are your best safeguards against the following disturbances.

The most common type of television disturbances are as follows:

◆ IGNITION



Black spots or horizontal streaks may appear, picture may flutter or drift. Usually caused by interference from automobile ignition system, neon lamps, electrical drills and other electrical appliances.

◆ GHOSTING



Ghostings are caused by the television signal following two paths. One is the direct path and the other is reflected from tall buildings, hills or some other objects. Changing the direction or position of the antenna may improve the reception.

◆ SNOW



If your receiver is located at the fringe area of a television station where the signal is weak, your picture may be blurred by the appearance of small dots. When the signal is extremely weak, it may be necessary to install a special antenna to improve the picture.

◆ RADIO FREQUENCY INTERFERENCE



The interference produces moving ripples or diagonal streaks, and in some cases, causes the loss of the contrast in picture.

WARRANTY

Daewoo Electronics America Inc. warrants each new electronic product manufactured by it to be free from defective material and workmanship and agrees to remedy any such defect or to furnish a new part (at the Company's option) in exchange for any part of any unit of its manufacture which under normal installation, use, and service disclosed such defect, provided the unit is delivered by the owner to us or to our authorized distributor from whom purchased or authorized service station, intact, for our examination with all transportation charges prepaid to our factory. To establish and receive warranty service at our factory or authorized service facilities, proof of purchase/dated sales invoice is required

Return authorization must be obtained before any merchandise is returned to the factory.

This warranty does not extend to any of our electronic products which have been subjected to misuse, neglect, accident, incorrect wiring not our own, improper installation, unauthorized modification, or to use in violation of instructions furnished by us, nor units which have been repaired or altered outside of our factory, nor to cases where the serial number thereof has been removed, defaced, or changed.

This warranty is in lieu of all warranties expressed or implied and no representative or person is authorized to assume for us any other liability in connection with the sake of our electronic products.

Over-the-counter exchange for units that are initially defective
"Initially defective" is described as when the dealer opens the unit and finds that it is inoperative or a customer opens a new unit and finds that it is inoperable. This unit may be returned to the factory by the dealer for exchange. Under no circumstances will the customer be permitted to return the defective unit directly to the factory. Exchange must be directly with the dealer.

Parts	Labor	Picture Tube
1 year	90 days	2 years

MEMO

A large rectangular area with a fine grid pattern, intended for writing a memo. The grid consists of small squares and is contained within a rounded rectangular border.

MEMO

A large rectangular area filled with a fine grid of small squares, typical of graph paper. The grid is composed of approximately 20 columns and 30 rows of squares. The corners of the grid are rounded.